

# Anil Gourishetty

## List of Publications by Year in descending order

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39  
papers

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citations

840776

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docs citations

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times ranked

402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy resolution of Compton electrons in LaCl <sub>3</sub> :Ce using compact digitizer. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 1527.	1.5	0
2	Performance studies of compact GGAG:Ce,B thermal neutron detector coupled to Si-based photosensors. Pramana - Journal of Physics, 2021, 95, 1.	1.8	0
3	Radiological impact assessment of soil and groundwater of Himalayan regions in Uttarakhand, India. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 1269-1282.	1.5	25
4	A novel versatile phoswich detector consisting of single crystal scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 951, 162982.	1.6	9
5	Thermal Neutron Discrimination Using a Novel Phoswich Detector of Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce,B and CsI:Tl Single Crystals. IEEE Transactions on Nuclear Science, 2020, 67, 2415-2420.	2.0	5
6	The Effect of Codoping on Pulse-Shape Discrimination Properties of Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce Single Crystals. IEEE Transactions on Nuclear Science, 2019, 66, 2440-2445.	2.0	2
7	Health risks associated with the exposure to uranium and heavy metals through potable groundwater in Uttarakhand state of India. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 13-21.	1.5	35
8	Synthesis, crystal structure, thermal, photoluminescent and magnetic properties of a new material: Na <sub>2</sub> [Ni(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ].6H <sub>2</sub> O. Journal of Molecular Structure, 2019, 1178, 155-161.	3.6	3
9	Studies in Nuclear Structure and Big Bang Nucleosynthesis Using Proton Beams. Acta Physica Polonica B, 2019, 50, 377.	0.8	1
10	Quadrupole collectivity in $^{42}\text{Ca}$ from low-energy Coulomb excitation with AGATA. Physical Review C, 2018, 97, .	2.9	22
11	Dose assessment from the exposure to attached and unattached progeny of radon and thoron in indoor environment. Acta Geophysica, 2018, 66, 1187-1194.	2.0	13
12	Characterization of a 2 Å <sup>2</sup> array of large square bars of LaBr <sub>3</sub> :Ce detectors with $\hat{\gamma}$ -rays up to 22.5 MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 883, 183-190.	1.6	10
13	A comprehensive study of radon levels and associated radiation doses in Himalayan groundwater. Acta Geophysica, 2018, 66, 1223-1231.	2.0	15
14	Intrinsic Resolution of Compton Electrons in CeBr <sub>3</sub> Scintillator Using Compact CCT. IEEE Transactions on Nuclear Science, 2018, 65, 616-620.	2.0	4
15	Efficiency Studies on Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce Scintillators: Simulations and Measurements. IEEE Transactions on Nuclear Science, 2018, 65, 2109-2113.	2.0	2
16	Intrinsic resolution of NaI(Tl) using PIXIE-4 data acquisition system. , 2017, , .		0
17	Efficiency Calibration of CeBr <sub>3</sub> Scintillator: Simulations and Measurements. , 2017, , .		0
18	Efficiency calibration and coincidence summing correction for a large volume (946 cm <sup>3</sup> ) LaBr <sub>3</sub> (Ce) detector: GEANT4 simulations and experimental measurements. Applied Radiation and Isotopes, 2016, 118, 32-37.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Pulse shape discrimination properties of Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce,B single crystal in comparison with CsI:Tl. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 840, 186-191.	1.6	25
20	Superdeformed and Triaxial States in $Ca$ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 840, 186-191.	7.8	39
21	Growth of highly transparent and conductive CdO thin films deposited at different thicknesses by RF reactive magnetron sputtering. Materials Research Innovations, 2015, 19, 204-211.	2.3	4
22	Structural and optical properties of AgO thin films grown by RF reactive magnetron sputtering technique. , 2013, , .		2
23	Studying the properties and response of a large volume (946 cm <sup>3</sup> ) LaBr <sub>3</sub> :Ce detector with $\hat{I}^3$ up to 22.5 MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 705, 85-92.	1.6	24
24	Towards the Determination of Superdeformation in $Ca$ . Acta Physica Polonica B, 2013, 44, 617.	0.8	6
25	Multiple antimagnetic rotation bands in odd- $A$ . Physical Review C, 2013, 87, .	2.9	33
26	Effect of substrate temperature on structural and optical properties of nanostructured ZnO thin films grown by RF magnetron sputtering. , 2011, , .		5
27	Title is missing!. Acta Physica Polonica B, 2011, 42, 817.	0.8	7
28	Title is missing!. Acta Physica Polonica B, 2011, 42, 643.	0.8	3
29	A LaBr <sub>3</sub> :Ce-Nal(Tl) Phoswich for X- and low energy astronomy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 995-998.	1.6	12
30	Efficiency calibration and simulation of a LaBr <sub>3</sub> (Ce) detector in close geometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 183-186.	1.6	21
31	Experimental measurements and GEANT4 simulations for a comparative study of efficiencies of :Ce, Nal(Tl), and. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 522-529.	1.6	29
32	Efficiency calibration and coincidence summing correction for large arrays of Nal(Tl) detectors in soccer-ball and castle geometries. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 611, 76-83.	1.6	11
33	Ballistic Deficits for Ionization Chamber Pulses in Pulse Shaping Amplifiers. IEEE Transactions on Nuclear Science, 2007, 54, 333-341.	2.0	4
34	Large Pulse-Height Loss due to Capacitive Decay in the Detector-Circuit During Collection of Charges. , 2006, , .		0
35	Some studies on the pulse-height loss due to capacitive decay in the detector-circuit of parallel plate ionization chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 540-551.	1.6	7
36	A Simple Technique for Identifying Natural Alpha Emitters. , 2006, , .		0

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37	Measurements of Ballistic Deficits for Parallel Plate Ionization Chambers. , 2006, , .		0
38	Estimation of Ballistic Deficits for Ionization Chamber Pulses in Pulse Shaping Amplifiers. , 0, , .		4
39	Simulation of the Effect of Capacitive Decay of Detector-Circuit on the Detector Response. , 0, , .		1